

[10052] It is noted that this 'gradual change' is effectively defined relative to the optical wavelength of the light passing therethrough. It is also possible to create such a gradual change in refractive index in a semiconductor layer by building a superlattice type structure or digital alloy in which alternating layers of low and high refractive index material are formed with a localized average thickness ~~ration~~ ratio that defines the effective refractive index over a dimension of the order of one wavelength of light or less. The principle of this is illustrated in FIGURE 18.

REMARKS

Paragraph 52 is replaced to amend a typographical error changing the word "ration" to "ratio". No new matter is added to the specification by this amendment.

No fee is thought to be due in conjunction with this submission. Nonetheless, the Commissioner is hereby authorized to charge Deposit Account No. 503982 of Momkus McCluskey, LLC to cover any fee deficiency.

Respectfully submitted,

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